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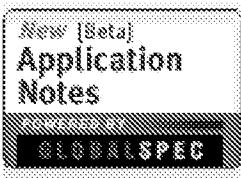
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IEEE CND	IEEE Conference Proceeding
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IEEE STD	IEEE Standard

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1. WWW-based high performance computing support of acoustic matched field processing
Gever, D.H.; Fabozzi, D.J., II;
[OCEANS, 2001 MTS/IEEE Conference and Exhibition](#)
Volume 4, 5-8 Nov. 2001 Page(s):2541 - 2548 vol.4
Digital Object Identifier 10.1109/OCEANS.2001.968401

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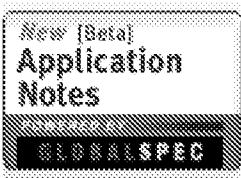
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IET JNL	IET Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IET CNF	IET Conference Proceeding
IEEE STD	IEEE Standard

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1. An analysis of the home PNA collision resolution mechanism
Kangude, S.; Copeland, J.; Sherman, M.;
Local Computer Networks, 2003. LCN '03. Proceedings. 28th Annual IEEE International Conference
20-24 Oct. 2003 Page(s):250 - 259
Digital Object Identifier 10.1109/LCN.2003.1243134
[AbstractPlus](#) | Full Text: [PDF](#)(307 KB) [IEEE CNF](#)
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2. Receiver architectures for HomePNA 2.0
Bisaglia, P.; Castle, R.J.;
Global Telecommunications Conference, 2001. GLOBECOM '01. IEEE
Volume 6, 25-29 Nov. 2001 Page(s):3723 - 3727 vol.6
Digital Object Identifier 10.1109/GLOCOM.2001.966376
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1 Focus on the MultiTech MultiVOIP gateway

Ads by Google

Gilbert Held

July 2000 International Journal of Network Management, Volume 10
Issue 4

Publisher: John Wiley & Sons, Inc.

Full text available: pdf(599.69 KB) Additional Information: [full citation](#), [index terms](#)

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2 Fourth-factor authentication: somebody you know

John Brainard, Ari Juels, Ronald L. Rivest, Michael Szydlo, Moti Yung
 October 2006 CCS '06: Proceedings of the 13th ACM conference on Computer and communications security
 Publisher: ACM

Full text available: pdf(372.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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User authentication in computing systems traditionally depends on three factors: something you have (e.g., a hardware token), something you are (e.g., a fingerprint), and something you know (e.g., a password). In this paper, we explore a fourth factor, ...

Keywords: authentication, hardware tokens, vouchers

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[www.LaserDesign.com](#)

3 Cryptography as an operating system service: A case study

Angelos D. Keromytis, Jason L. Wright, Theo De Raadt, Matthew Burnside
 February 2006 ACM Transactions on Computer Systems (TOCS), Volume 24 Issue 1
 Publisher: ACM

Full text available: pdf(669.12 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Cryptographic transformations are a fundamental building block in many security applications and protocols. To improve performance, several vendors market hardware accelerator cards. However, until now no operating system provided a mechanism that allowed ...

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[www.alibre.com](#)

Keywords: Encryption, authentication, cryptographic protocols, digital signatures, hash functions

4 [Terra: a virtual machine-based platform for trusted computing](#)

◆ Tal Garfinkel, Ben Pfaff, Jim Chow, Mendel Rosenblum, Dan Boneh
October 2003 SOSP '03: Proceedings of the nineteenth ACM symposium on Operating systems principles

Publisher: ACM

Additional Information: [full citation](#), [abstract](#),

Full text available:  [pdf\(140.31 KB\)](#)

[references](#), [cited by](#), [index terms](#)

We present a flexible architecture for trusted computing, called Terra, that allows applications with a wide range of security requirements to run simultaneously on commodity hardware. Applications on Terra enjoy the semantics of running on a separate, ...

Keywords: VMM, attestation, authentication, trusted computing, virtual machine, virtual machine monitor

5 [Terra: a virtual machine-based platform for trusted computing](#)

◆ Tal Garfinkel, Ben Pfaff, Jim Chow, Mendel Rosenblum, Dan Boneh
December 2003 ACM SIGOPS Operating Systems Review, Volume 37 Issue 5

Publisher: ACM

Additional Information: [full citation](#), [abstract](#),

Full text available:  [pdf\(140.31 KB\)](#)

[references](#), [cited by](#), [index terms](#)

We present a flexible architecture for trusted computing, called Terra, that allows applications with a wide range of security requirements to run simultaneously on commodity hardware. Applications on Terra enjoy the semantics of running on a separate, ...

Keywords: VMM, attestation, authentication, trusted computing, virtual machine, virtual machine monitor

6 [On interdomain routing security and pretty secure BGP \(psBGP\)](#)

◆ P.C. van Oorschot, Tao Wan, Evangelos Kranakis
July 2007 ACM Transactions on Information and System Security (TISSEC), Volume 10 Issue 3

Publisher: ACM

Full text available:  [pdf\(469.49 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

It is well known that the Border Gateway Protocol (BGP), the IETF standard interdomain routing protocol, is vulnerable to a variety of attacks, and that a single misconfigured or malicious BGP speaker could result in large-scale service disruption. In ...

Keywords: BGP, authentication, certificates, interdomain routing, public-key infrastructure, secure routing protocols, trust

7 Making computers disappear: appliance data services

◆ Andrew C. Huang, Benjamin C. Ling, John Barton, Armando Fox
July 2001 MobiCom '01: Proceedings of the 7th annual international conference on Mobile computing and networking
Publisher: ACM

Full text available:  pdf(691.57 KB)

Additional Information: [full citation](#), [abstract](#),
[references](#), [cited by](#), [index terms](#)

Digital appliances designed to simplify everyday tasks are readily available to end consumers. For example, mobile users can retrieve Web content using handheld devices since content retrieval is well-supported by infrastructure services such as transformational ...

8 Enhancing access to research data: the challenge of crystallography

◆ Monica Duke, Michael Day, Rachel Heery, Leslie A. Carr, Simon J. Coles
June 2005 JCDL '05: Proceedings of the 5th ACM/IEEE-CS joint conference on Digital libraries
Publisher: ACM

Full text available:  pdf(381.24 KB)

Additional Information: [full citation](#), [abstract](#),
[references](#), [index terms](#)

This paper describes an ongoing collaborative effort across digital library and scientific communities in the UK to improve access to research data. A prototype demonstrator service supporting the discovery and retrieval of detailed results of crystallography ...

Keywords: Eprints.org, OAI-PMH, crystallography, dublin core, institutional repositories, metadata, scholarly communication

9 Personalizable edge services for web accessibility

◆ Gennaro Iaccarino, Delfina Malandrino, Vittorio Scarano
May 2006 W4A: Proceedings of the 2006 international cross-disciplinary workshop on Web accessibility (W4A): Building the mobile web: rediscovering accessibility?
Publisher: ACM

Full text available:  pdf(601.30 KB)

Additional Information: [full citation](#), [abstract](#),
[references](#), [index terms](#)

Web Content Accessibility guidelines by W3C [29] provide several suggestions for Web designers on how to author Web pages in order to make them accessible to everyone. In this context, we are proposing the use of edge services as an efficient and general ...

Keywords: disability, programmable edge servers, universal access, web accessibility

10 SmartSiren: virus detection and alert for smartphones

◆ Jerry Cheng, Starsky H.Y. Wong, Hao Yang, Songwu Lu
June 2007 MobiSys '07: Proceedings of the 5th international conference on Mobile systems, applications and services
Publisher: ACM

Additional Information: [full citation](#), [abstract](#),

Full text available:  pdf(534.00 KB)

[references](#), [index terms](#)

Smartphones have recently become increasingly popular because they provide "all-in-one" convenience by integrating traditional mobile phones with handheld computing devices. However, the flexibility of running third-party softwares also leaves the smartphones ...

Keywords: alert, privacy, security, smartphone, virus detection

11 [Do text transcoders improve usability for disabled users?](#)

 Giorgio Brajnik, Daniela Cancila, Daniela Nicoli, Mery Pignatelli
May 2005 W4A '05: Proceedings of the 2005 International Cross-Disciplinary Workshop on Web Accessibility (W4A)

Publisher: ACM

Full text available:  pdf(244.75 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Text transcoders are web--server systems that produce, on the fly, a text-only version of a web page requested by a user of a browser.

Although the potential benefits of text transcoders are multifaceted and discussions on appropriateness of text transcoders ...

12 [A secure multicast protocol with copyright protection](#)

 Hao-hua Chu, Lintian Qiao, Klara Nahrstedt, Hua Wang, Ritesh Jain
April 2002 ACM SIGCOMM Computer Communication Review, Volume 32
Issue 2

Publisher: ACM

Full text available:  pdf(301.97 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

We present a simple, efficient, and secure multicast protocol with copyright protection in an open and insecure network environment. There is a wide variety of multimedia applications that can benefit from using our secure multicast protocol, e.g., the ...

Keywords: copyright protection, key distribution, multicast security, watermark

13 [The Tool Daemon Protocol \(TDP\)](#)

Barton Miller, Ana Cortes, Miquel A. Senar, Miron Livny
November 2003 SC '03: Proceedings of the 2003 ACM/IEEE conference on Supercomputing
Publisher: IEEE Computer Society

Full text available:  pdf(809.57 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Run-time tools are crucial to program development. In our desktop computer environments, we take for granted the availability of tools for operations such as debugging, profiling, tracing, checkpointing, and visualization. When programs move into distributed ...

14 A survey of autonomic communications

◆ Simon Dobson, Spyros Denazis, Antonio Fernández, Dominique Gaïti, Erol Gelenbe, Fabio Massacci, Paddy Nixon, Fabrice Saffre, Nikita Schmidt, Franco Zambonelli

December 2006 ACM Transactions on Autonomous and Adaptive Systems (TAAS), Volume 1 Issue 2

Publisher: ACM

Full text available:  pdf(300.86 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Autonomic communications seek to improve the ability of network and services to cope with unpredicted change, including changes in topology, load, task, the physical and logical characteristics of the networks that can be accessed, and so forth. Broad-ranging ...

Keywords: Autonomic communication

15 Implementation and experience with the terminal registration system

◆ with web interface

Naomi Fujimura, Zen-ichi Hirayama, Tatsuya Oka, Masato Komori

November 2006 SIGUCCS '06: Proceedings of the 34th annual ACM SIGUCCS conference on User services

Publisher: ACM

Full text available:  pdf(691.49 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The cost of operation and management are growing rapidly in proportion to the increase of the number of network terminals connected to the network. We hope to improve the quality of network service, but it is difficult because of reasons such as manpower ...

Keywords: DHCP, networking, personal computing, static IP address, system configuration, terminal registration, web-based

16 A mechanism for host mobility management supporting application awareness

◆

Arjan Peddemors, Hans Zandbelt, Mortaza Bargh

June 2004 MobiSys '04: Proceedings of the 2nd international conference on Mobile systems, applications, and services

Publisher: ACM

Full text available:  pdf(499.48 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Many approaches exist today that address the issues that arise when a mobile node changes its point(s) of attachment to the Internet. Mobile IP takes care of host mobility at the IP layer; others at the transport layer (Mobile SCTP) or at the application ...

Keywords: application awareness, host mobility, mobility management

17 Satchel: providing access to any document, any time, anywhere

◆ Mik Lamming, Marge Eldridge, Mike Flynn, Chris Jones, David Pendlebury

September 2000 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 7 Issue 3

Publisher: ACM

Full text available:  pdf(591.29 KB)

Additional Information: [full citation](#), [abstract](#),
[references](#), [cited by](#), [index terms](#)

Current solutions for providing access to electronic documents while away from the office do not meet the special needs of mobile document workers. We describe "Satchel," a system that is designed specifically to support the distinctive features ...

Keywords: document access, document appliance, document processing, information appliance, mobile computing, mobile work

18 [The session token protocol for forensics and traceback](#)

 Brian Carrier, Clay Shields
August 2004 ACM Transactions on Information and System Security (TISSEC), Volume 7 Issue 3

Publisher: ACM

Full text available:  pdf(331.18 KB)

Additional Information: [full citation](#), [abstract](#),
[references](#), [index terms](#)

In this paper we present the Session Token Protocol (STOP), a new protocol that can assist in the forensic analysis of a computer involved in malicious network activity. It has been designed to help automate the process of tracing attackers who log on ...

Keywords: Digital forensics, TCP traceback, auditing and intrusion detection, digital investigations, privacy

19 [Going wireless, enabling an adaptive and extensible environment](#)

Theo G. Kanter
February 2003 Mobile Networks and Applications, Volume 8 Issue 1
Publisher: Kluwer Academic Publishers

Full text available:  pdf(483.21 KB)

Additional Information: [full citation](#), [abstract](#),
[references](#), [index terms](#)

This paper discusses limitations in existing and projected solutions for delivering applications to mobile users (e.g., in 3G) in an increasingly diverse heterogeneous wireless infrastructure in combination with the ongoing deregulation of mobile communication ...

Keywords: agents, context, scalability, service, wireless

20 [CrossFlow: integrating workflow management and electronic commerce](#)

 Y. Hoffner, H. Ludwig, P. Grefen, K. Aberer
December 2000 ACM SIGecom Exchanges, Volume 2 Issue 1
Publisher: ACM

Full text available:  pdf(79.68 KB)

Additional Information: [full citation](#), [abstract](#),
[references](#), [cited by](#), [index terms](#)

The CrossFlow architecture provides support for cross-organisational workflow management in dynamically established virtual enterprises. The creation of a business relationship between a service provider

organisation performing a service on behalf of ...

Keywords: contracts, dynamic business process outsourcing, dynamic infrastructure setup, electronic, electronic commerce, workflow management

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21 Supporting virtual documents in just-in-time hypermedia systems
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Li Zhang, Michael Bieber, David Millard, Vincent Oria
 October 2004 DocEng '04: Proceedings of the 2004 ACM symposium on Document engineering

Publisher: ACM

 Full text available: [pdf\(707.51 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Many analytical or computational applications especially legacy systems create documents and display screens in response to user queries "dynamically" or in "real time". These "virtual documents" do not exist in advance and thus hypermedia features must ...

Keywords: dynamic hypermedia functionality, dynamic regeneration, integration architecture, just-in-time hypermedia, re-identification, re-location, virtual documents

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Thomas Kunz, Michiel F. H. Seuren

November 1997 CASCON '97: Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

 Full text available: [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...

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José Carlos Brustoloni

December 2006 Journal on Educational Resources in Computing (JERIC), Volume 6 Issue 4

Publisher: ACM

 Additional Information: [full citation](#), [abstract](#),

Full text available: pdf(131.27 KB)

references, index terms

We describe a sequence of five experiments on network security that cast students successively in the roles of computer user, programmer, and system administrator. Unlike experiments described in several previous papers, these experiments avoid placing ...

Keywords: Certificate, IPsec, SSH, SSL, VPN, certifying authority, course, dictionary attack, eavesdropping, education, experiment, fingerprinting, firewall, man-in-the-middle, password, port scanning, security

24 Challenge: recombinant computing and the speakeasy approach
W. Keith Edwards, Mark W. Newman, Jana Sedivy, Trevor Smith, Shahram Izadi
September 2002 MobiCom '02: Proceedings of the 8th annual international conference on Mobile computing and networking
Publisher: ACM

Additional Information: [full citation](#), [abstract](#),
Full text available:  [pdf\(297.46 KB\)](#) [references](#), [cited by](#), [index terms](#)

Interoperability among a group of devices, applications, and services is typically predicated on those entities having some degree of prior knowledge of each other. In general, they must be written to understand the type of thing with which they will ...

Keywords: mobile code, recombinant computing, serendipitous interoperability, speakeasy

25 **Protecting browsers from dns rebinding attacks**
 Collin Jackson, Adam Barth, Andrew Bortz, Weidong Shao, Dan Boneh
October 2007 CCS '07: Proceedings of the 14th ACM conference on Computer
and communications security
Publisher: ACM

Full text available: [pdf \(1.32 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

DNS rebinding attacks subvert the same-origin policy of browsers and convert them into open network proxies. We survey new DNS rebinding attacks that exploit the interaction between browsers and their plug-ins, such as Flash and Java. These attacks can ...

Keywords: click fraud, dns, firewall, same-origin policy, spam

26 L2imbo: a distributed systems platform for mobile computing
Nigel Davies, Adrian Friday, Stephen P. Wade, Gordon S. Blair
August 1998 Mobile Networks and Applications, Volume 3 Issue 2
Publisher: Kluwer Academic Publishers

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

applications and end-systems. Such environments are characterised by sudden and dramatic changes in the quality-of-service ...

27 People-centric urban sensing

Andrew T. Campbell, Shane B. Eisenman, Nicholas D. Lane, Emiliano
Milani, Fabio M. Paganini

Miluzzo, Ronald A. Peterson

August 2006 WI CON '06: Proceedings of the 2nd annual international workshop on Wireless internet

Publisher: ACM

Full text available:  [pdf\(249.73 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The vast majority of advances in sensor network research over the last five years have focused on the development of a series of small-scale (100s of nodes) testbeds and specialized applications (e.g., environmental monitoring, etc.) that are built on ...

Keywords: mobile wireless sensor networks, people-centric, urban sensing

28 Wireless course management system

Vladimir Zanev, Rodney Clark

March 2005 ACM-SE 43: Proceedings of the 43rd annual Southeast regional conference - Volume 2, Volume 2

Publisher: ACM

Full text available:  [pdf \(556.46 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Wireless devices, such as smart phones and PDAs, are increasing in popularity due to the advantage of enhanced mobility and availability. In spite of the high increase in the availability of mobile devices, most of the wireless applications are in such ...

Keywords: ASP .NET, C# server-side programming, PDAs, WML, development, smart phones, wireless application development, wireless course management system, wireless information access, wireless laptops

29 Core services in the architecture of the national science digital library

(NSDL)

Carl Lagoze, William Arms, Stoney Gan, Diane Hillmann, Christopher Ingram, Dean Krafft, Richard Marisa, Jon Phipps, John Saylor, Carol Terrizzi, Walter Hoehn, David Millman, James Allan, Sergio Guzman-Lara, Tom Kalt
July 2002 JCDL '02: Proceedings of the 2nd ACM/IEEE-CS joint conference
on Digital libraries

Publisher: ACM

Additional Information: full citation, abstract,

Full text available: [pdf\(940.66 KB\)](#) references, cited by, index terms

We describe the core components of the architecture for the National Science Digital Library (NSDL). Over time the NSDL will include heterogeneous users, content, and services. To accommodate this, a

Keywords: TCP/IP networks, congestion control, flow control, transport protocol, transport service

Robbert Van Renesse, Kenneth P. Birman, Werner Vogels
May 2003 ACM Transactions on Computer Systems (TOCS), Volume 21
Issue 2
Publisher: ACM

Additional Information: full citation, abstract,

Full text available: pdf(341.62 KB)

references, cited by, index
terms

Scalable management and self-organizational capabilities are emerging as central requirements for a generation of large-scale, highly dynamic, distributed applications. We have developed an entirely new distributed information management system called Astrolabe. ...

Keywords: Aggregation, epidemic protocols, failure detection, gossip, membership, publish-subscribe, scalability

35 AwareDAV: a generic WebDAV notification framework and implementation

Henning Qin Jehøj, Niels Olof Bouvin, Kaj Grønbæk

May 2005 WWW '05: Proceedings of the 14th international conference on
World Wide Web

Publisher: ACM

Full text available: pdf(409.29 KB) Additional Information: full citation, abstract, references, index terms, review

WebDAV needs awareness support in order to be a full-fledged collaboration system. This paper introduces AwareDAV, a new WebDAV extension framework enabling shared awareness through event notification. By extending the WebDAV protocol with seven new ...

Keywords: AwareDAV, CSCW, WebDAV, event notification

36 The value of handhelds in smart environments

Frank Siegmund, Christian Floerkemeier, Harald Vogt

Frank Siegenland, Christian Heerkamp, Harald Vogt
March 2005 Personal and Ubiquitous Computing Volume 9 Issue 2

Published online: 2005-03-15

Full text available: [pdf \(545.45 KB\)](#) Additional Information: full citation abstract references

The severe resource restrictions of computer-augmented everyday artifacts imply substantial problems for the design of applications in smart environments. Some of these problems can be overcome by exploiting the resources, I/O interfaces, and computing ...

Keywords: Cooperation, Device integration, Handheld devices, Mobile phones, Smart environments, Smart everyday objects

37

A composable framework for secure multi-modal access to internet

services from Post-PC devices

Steven J. Ross, Jason L. Hill, Michael Y. Chen, Anthony D. Joseph, David E. Culler, Eric A. Brewer
October 2002 Mobile Networks and Applications, Volume 7 Issue 5
Publisher: Kluwer Academic Publishers

Additional Information: full citation, abstract, references, cited by, index terms, review

The Post-PC revolution is bringing information access to a wide range of devices beyond the desktop, such as public kiosks, and mobile devices like cellular telephones, PDAs, and voice based vehicle telematics. However, existing deployed Internet services ...

Keywords: internet, middleware, post-PC, security, transcoding

38 Role-based access control on the web

◆ Joon S. Park, Ravi Sandhu, Gail-Joon Ahn
February 2001 ACM Transactions on Information and System Security
(TISSEC), Volume 4 Issue 1
Publisher: ACM

Full text available:  [pdf\(381.03 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Current approaches to access control on the Web servers do not scale to enterprise-wide systems because they are mostly based on individual user identities. Hence we were motivated by the need to manage and enforce the strong and efficient RBAC access ...

Keywords: WWW security, cookies, digital certificates, role-based access control

39 Hardware spotlight: working with the Proxim ORiNOCO AP-700

Gilbert Held
May 2006 International Journal of Network Management, Volume 16 Issue 3
Publisher: John Wiley & Sons, Inc.

Full text available:  [pdf\(608.61 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Many years ago when Lucent Technologies began to experience Financial difficulties it spun off its commercial wireless products under the Agere Systems umbrella. As part of the evolution of Agere Systems towards a focus on optoelectric components and ...

40 tranSticks: physically manipulatable virtual connections

 Yuji Ayatsuka, Jun Rekimoto
April 2005 CHI '05: Proceedings of the SIGCHI conference on Human factors
in computing systems
Publisher: ACM

Full text available: [pdf\(579.25 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A virtually connected medium called *tranStick* is described that functions both as a "virtual wire" and as a "memory card" containing a shared space. A user can connect two networked devices by simply placing one of a pair of *tranSticks* with the ...

Keywords: connection control, tangible user interface

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